Hydrobiologia

Contents of Volume 203, 1990

Vol. 203, Nos. 1–2

J. Lyons & D. W. Schneider: Factors influencing fish distribution and community structure in a small coastal river in southwestern Costa Rica 1
G. Bretschko: The dynamic aspect of coarse particulate organic matter (CPOM) on the sediment surface of a second order stream free of debris dams (RITRODAT-LUNZ study area) 15
Z. Moubayed: Chironomids from running waters of Thailand: description of *Rheotanytarsus thailandensis* sp.n. and *Tanytarsus thaicus* sp.n. (Dipt., Chironomidae) 29
J. D. Wehr: Predominance of picoplankton and nanoplankton in eutrophic Calder Lake 35
J. J. Neiff & A. P. de Neiff: Litterfall, leaf decomposition and litter colonization of *Tessaria integrifolia* (compositae) in the Parana river floodplain 45
J. Verreth: The accuracy of population density estimates of a horizontally distributed zooplankton community in Dutch fish ponds 53
D. P. Bernard, W. E. Neill & L. Rowe: Impact of mild experimental acidification on short term invertebrate drift in a sensitive British Columbia stream 63
Y. B. Ho: *Ulva lactuca* as bioindicator of metal contamination in intertidal waters in Hong Kong 73
T. Caquet: Spatial distribution of four freshwater gastropod species in a ditch near Orsay, France 83
W. K. Dodds & J. C. Priscu: Development and application of a technique for estimating nutrient deficiency in soft sediments 93
J. Laybourn-Parry, J. Olver, A. Rogerson & P. L. Duvergé: The temporal and spatial patterns of protozooplankton abundance in a eutrophic temperate lake 99
J. Laybourn-Parry, J. Olver & S. Rees: The hypolimnetic protozoan plankton of a eutrophic lake 111

Vol. 203, No. 3

M. Matthews & J. D. Reynolds: Laboratory investigations of the pathogenicity of *Aphanomyces astaci* for Irish freshwater crayfish 121
R. Berberovic, K. Bikar & W. Geller: Seasonal variability of the embryonic development time of three planktonic crustaceans: dependence on temperature, adult size, and egg weight 127
S. Alfinito, M. Iberite & B. Fumanti: The algal microflora of the salt works of Tarquinia (Italy) 137
G. Mourente, L. M. Lubián & J. M. Odriozola: Total fatty acid composition as a taxonomic index of some marine microalgae used as food in marine aquaculture 147
L. Migliore & M. de Nicola Giudici: Toxicity of heavy metals to *Asellus aquaticus* (L.) (Crustacea, Isopoda) 155
G. Maier: The effect of temperature on the development, reproduction, and longevity of two common cyclopoid copepods – *Eucyclops serrulatus* (Fischer) and *Cyclops strenuus* (Fischer) 165
J. Lancaster, A. G. Hildrew & C. R. Townsend: Stream flow and predation effects on the spatial dynamics of benthic invertebrates 177
Erratum: A. R. O. Chapman & C. R. Johnson: Disturbance and organization of macroalgal assemblages in the Northwest Atlantic 191